

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-237867

(43)Date of publication of application : 09.09.1997

(51)Int.Cl.

H01L 25/00  
H01L 23/04

(21)Application number : 08-042528

(71)Applicant : KYOCERA CORP

(22)Date of filing : 29.02.1996

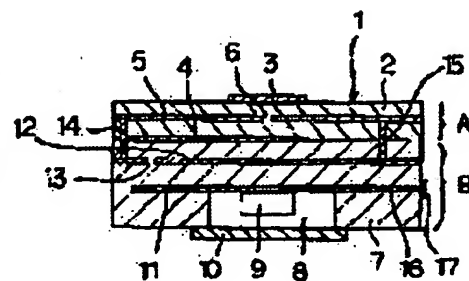
(72)Inventor : UCHIMURA HIROSHI  
TAKENOSHITA TAKESHI

## (54) HIGH-FREQUENCY PACKAGE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a high-frequency package which is equipped with an antenna element and a high-frequency device, compact in structure, suitable for massproduction, and suitably applicable to a system of high-frequency such as microwave or millimeter wave.

**SOLUTION:** An antenna circuit board A is composed of an antenna element 3, a high-frequency line 4 which feeds an electric power to the antenna element 3, and a first dielectric board 2 where the high-frequency line 4 and the antenna element 3 are provided, and a high-frequency device circuit board B is composed of a second dielectric board 7 where a cavity 8 is provided, a high-frequency device 9 housed in the cavity 8, and a transmission line 11 which transmits signal to the high-frequency device 9, and a high-frequency package is equipped with the boards A and B, wherein the boards A and B are joined into one piece, and the high-frequency line 4 of the antenna circuit board A and the transmission line 11 of the high-frequency device circuit board B are connected together by electromagnetic coupling.



## LEGAL STATUS

[Date of request for examination] 22.05.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3266491

[Date of registration] 11.01.2002

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

<http://www19.ipdl.jpo.go.jp/PA1/result/detail/main/wAAAmraGqODA409237867P1.htm>

9/12/2003